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6330525 77 6737832 77 PLUS Search Results for S/N 10649612, Searched January 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated sear ch

system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that a re

most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

# 10649612\_LIST

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## 10649612\_EAST

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#### 10649612 CLS

Most Frequently Occurring Classifications of Patents Returned From A Search of 10649612 on January 10, 2005

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5 701/29
  3 322/28
 2 307/10.1
 2 318/434
 2 322/99
 2 324/426
 2 324/427
 2 324/769
 2 340/438
 2 702/183
 2 702/63
Cross-Reference Classifications
  6 280/735
  4 320/DIG 13
  4 340/438
  3 320/123
  3 324/426
  3 324/771
 2 307/10.1
 2 307/31
 2 315/133
 2 320/104
 2 320/162
 2 322/99
 2 324/432
 2 340/636.15
 2 340/641
 2 340/642
 2 361/21
 2
   701/35
 2 702/182
Combined Classifications
 6 280/735
 6 340/438
 5 324/426
 5 701/29
 4 307/10.1
 4 320/DIG 13
 4 322/28
 4 322/99
 3 318/434
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Original Classifications

### 10649612\_CLS

- 3 320/104
- 3 320/123
- 3 324/427
- 3 324/771
- 3 701/35
- 3 702/183
- 2 307/31
- 2 315/129
- 2 315/133
- 2 318/266
- 2 320/134
- 2 320/162
- 2 324/432
- 2 324/769
- 2 340/514
- 2 340/636.15
- 2 340/641
- 2 340/642
- 2 361/21
- 2 702/182
- 2 702/63

#### 10649612 CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returne d

From A Search of 10649612 on January 10, 2005

6 280/735 (0 OR, 6 XR) 280 : LAND VEHICLES Class 280/29 WHEELED .Attachment
..Inflatable passenger restraint or confinemen 280/727 280/728.1 t (e.g., air bag) or attachment 280/734 ... Responsive to vehicle condition 280/735 .... Electric control and/or sensor means 6 340/438 (2 OR, 4 XR) Class 340 : COMMUNICATIONS: ELECTRICAL 340/425.5 LAND VEHICLE ALARMS OR INDICATORS 340/438 .Internal alarm or indicator responsive to a condition of the vehicle 5 324/426 (2 OR, 3 XR) Class 324 : ELECTRICITY: MEASURING AND TESTING ELECTROLYTE PROPERTIES 324/425 .Using a battery testing device 324/426 5 701/29 (5 OR, 0 XR) 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND Class RELATIVE LOCATION 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION 701/29 .Vehicle diagnosis or maintenance indication 4 307/10.1 (2 OR, 2 XR) 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION Class SYSTEMS 307/9.1 VEHICLE MOUNTED SYSTEMS 307/10.1 .Automobile 320/DIG 13 (0 OR, 4 XR) 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING Class OR DISCHARGING 320/DIG 13 FAULT DETECTION 322/28 (3 OR, 1 XR)

Class 322/17 322 : ELECTRICITY: SINGLE GENERATOR SYSTEMS

AUTOMATIC CONTROL OF GENERATOR OR DRIVING MEAN

## 10649612\_CLSTITLES

			_
	322/28		.Voltage of generator or circuit supplied
4	322/99 Class 322/99	322	: ELECTRICITY: SINGLE GENERATOR SYSTEMS
3		318	OR, 1 XR) : ELECTRICITY: MOTIVE POWER SYSTEMS LIMITATION OF MOTOR LOAD, CURRENT, TORQUE OR FORCE (E.G., PREVENTING OVERLOAD)
3	320/103	320	OR, 2 XR) : ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING ONE CELL OR BATTERY CHARGES ANOTHER .Vehicle battery charging
3	320/116	320	OR, 3 XR) : ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING SERIALLY CONNECTED BATTERIES OR CELLS .With generator charging source
3	324/425	324	: ELECTRICITY: MEASURING AND TESTING ELECTROLYTE PROPERTIES .Using a battery testing device
3		324	OR, 3 XR) : ELECTRICITY: MEASURING AND TESTING FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS .Of individual circuit component or elementPower supply test
3	701/35 Class 701/1 . 701/29 701/35		OR, 2 XR) : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION .Vehicle diagnosis or maintenance indicationWith data recording device
3	702/183 Class		OR, 1 XR) : DATA PROCESSING: MEASURING, CALIBRATING, OR

## 10649612\_CLSTITLES

	702/127 702/182 702/183		
2	307/31 Class		OR, 2 XR) : ELECTRICAL TRANSMISSION OR INTERCONNECTION SYSTEMS
	307/11 307/31		PLURAL LOAD CIRCUIT SYSTEMS
2	315/129 Class		OR, 1 XR) : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
	315/129		WITH SIGNAL, INDICATOR, OR ALARM
2	315/133 Class		OR, 2 XR) : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
	315/129 315/133		WITH SIGNAL, INDICATOR, OR ALARM .Plural signals, indicators, or alarms
2	318/266 Class 318/255 318/256 318/264 318/265	318	: ELECTRICITY: MOTIVE POWER SYSTEMS
	318/266		At limit-of-travel of motor or driven device
2	320/134 Class 320/127 320/128	320	
	320/134		With battery or cell condition monitoring (e.g., for protection from overcharging, he
ating	g, etc.)		(1.3.,
2	320/162 Class		OR, 2 XR) : ELECTRICITY: BATTERY OR CAPACITOR CHARGING OR DISCHARGING
	320/137 320/162		BATTERY OR CELL CHARGING .With detection of current or voltage amplitud

#### 10649612 CLSTITLES

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2 324/432
                (0 OR, 2 XR)
               324 : ELECTRICITY:
                                    MEASURING AND TESTING
       Class
        324/425
                     ELECTROLYTE PROPERTIES
        324/426
                     .Using a battery testing device
                     .. To determine battery electrolyte condition
        324/432
                (2 OR, 0 XR)
2 324/769
               324 : ELECTRICITY: MEASURING AND TESTING
        Class
        324/500
                     FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
                            ELECTRIC COMPONENTS
        324/537
                     .Of individual circuit component or element
        324/765
                     .. Test of semiconductor device
        324/766
                     ...With barrier layer
        324/769
                     ....Field effect transistor
 340/514
                (1 OR, 1 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
                     CONDITION RESPONSIVE INDICATING SYSTEM
        340/500
                     .With particular system function (e.g.,
        340/501
                         temperature compensation, calibration)
        340/514
                     .. Testing
2 340/636.15
               (0 OR, 2 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
                     CONDITION RESPONSIVE INDICATING SYSTEM
        340/500
                    .Specific condition
        340/540
        340/635
                     .. Condition of electrical apparatus
        340/636.1
                     ...Battery
        340/636.15
                     ....By voltage
2 340/641
                (0 OR, 2 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
                     CONDITION RESPONSIVE INDICATING SYSTEM
        340/500
                    .Specific condition
        340/540
                     .. Condition of electrical apparatus
        340/635
                     ... Signalling light element
        340/641
2 340/642
                (0 OR, 2 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
                     CONDITION RESPONSIVE INDICATING SYSTEM
        340/500
                    .Specific condition
        340/540
        340/635
                     .. Condition of electrical apparatus
                     ... Signalling light element
        340/641
                     ....Plural bulbs or filaments
       340/642
2 361/21
                (0 OR, 2 XR)
               361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
```

# 10649612\_CLSTITLES

	361/1 361/20 361/21		SAFETY AND PROTECTION OF SYSTEMS AND DEVICES .Generator protective circuitsVoltage responsive
2	702/182	(0	OR, 2 XR)
	Class	702	: DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
	702/127		MEASUREMENT SYSTEM
	702/182		.Performance or efficiency evaluation
2	702/63	(2	OR, 0 XR)
	Class	702	: DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
	702/1		MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
	702/57		.Electrical signal parameter measurement syste
m			
	702/60		Power parameter
	702/63		Battery monitoring

above 7 absent 1 abstract 1 accelerate 1 accompanying 1 accordance 1 according 5 accordingly 2 accuracy 1 achieved 1 activating 2 actual 1 actually 1 addition 1 adjust 1 adjusted 1 advantages 1 affect 1 affects 1 after 4 ahorneys 1 alexandru 1 also 1 alternate 4 alternating 5 although 1 an 23 analyzed 1 and 76 another 3 appear 2 application 2 applies 1 apply 1 applying 12 are 12 arlingto 1 arrangement 7 as 12 assembling 1 at 5 attain 4 attempts 2 atty 1 avoided 2 background 1 based 3 batteries 1

### 10649612\_WDS

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battery 110
bawery 4
be 10
because 8
become 1
becomes 2
been 6
before 1
behaves 1
being 4
below 1
between 1
binary 1
binding 1
block 2
brief 1
by 31
cadmium 1
cal 1
calculating 1
can 4
cannot 1
capable 2
capacitance 3
capacitor 1
carrying 1
case 4
cation 1
cause 1
causes 2.
cell 21
cells 3
change 1
changes 2
characteristics 11
charge 4
charging 11
chart 3
charts 3
chracteristics 1
circuit 15
closed 2
completely 1
component 3
con 2
confirm 1
conjunction 1
connected 5
```

### 10649612\_WDS

connecting 3 consequently 1 considerable 2 constituting 2 contrast 1 control 2 conventional 1 current 43 date 2 december 1 defecdve 1 defective 3 derives 1 described 2 describes 2 description 3 detailed 2 deterioration 7 determined 1 determining 3 development 2 device 32 diagnosed 2 diagnoses 2 diagnosing 47 diagnosis 7 diagnoswg 1 diagram 3 diagrnm 2 differently 1 difficult 1 direct 6 directly 3 discharge 2 discharging 9 disclosed 1 discloses 1 disclosure 1 divided 1 dkt 1 dmfc 4 do 2 does 2 drawings 3 drive 1 driven 1 due 1 dynnmic 1

```
easier 5
electricity 1
electrode 2
electrolyte 2
electromotive 6
element 7
embodiment 3
embodiments 1
employed 1
ensuing 1
eonnected 1
equivalent 2
error 2
errors 1
es 1
especially 1
established 1
estimating 1
evaluating 2
evaluation 2
even 3
example 2
excessively 1
exchange 1
exnmple 4
exnmples 3
expected 1
expeditiously 1
expressed 1
expression 8
external 1
extracted 1
extracting 1
extreme 1
facsimile 1
factors 1
fication 1
field 1
fig 18
figs 3
find 1
finely 1
first 1
floor 1
flowchart 1
flowing 2
follovng 1
following 2
```

```
for 39
force 6
foregoing 1
form 7
forms 1
forrai 1
from 8
fuel 33
full 1
fuller 1
fully 1
funato 1
function 6
fy 1
gas 1
generated 3
generating 1
glebe 1
graph 1
half 1
has 6
have 1
he 1
here 1
hereinafter 2
hi 1
hirohito 1
hour 1
hours 2
however 1
hs 1
hundred 1
hydrogen 1
ia 1
ident 2
identi 1
identification 13
identified 1
identify 1
if 2
illustrates 2
illustrating 6
impedance 25
impossible 1
in 47
includes 3
including 6
ingenuity 1
```

```
inject 1
input 7
internal 5
intervals 1
into 6
invention 14
inventorlsl 1
ion 4
is 61
it 20
its 4
japanese 2
judge 1
judging 1
judgment 3
kato 1
large 2
least 1
level 1
life 8
lifetime 2
like 3
lithium 4
ln 6
load 26
long 1
low 1
made 2
make 3
malfunct 1
manufacturing 4
margin 1
mathemat 1
mathematical 7
means 2
measure 3
measured 16
measurement 12
measures 4
measuring 14
membrane 1
methanol 1
method 20
mixing 1
mnking 2
more 1
mw 1
nature 2
```

```
necessary 5
needs 1
nickel 2
nixon 1
nmount 2
nnethod 1
no 7
noise 1
non 2
north 1
not 13
object 5
obtain 1
obtained 5
obtaining 1
occur 1
of 109
on 7
once 1
one 1
only 2
operating 1
operation 2
optimal 1
or 11
order 4
other 2
out 1
output 15
oxidizer 1
page 13
particular 2
patent 2
patentapplication 1
path 5
pefc 4
performance 2
performed 2
performing 3
plugging 5
post 1
prbs 1
pre 4
predetermined 2
prediction 3
preferable 2
present 12
problem 7
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### 10649612\_WDS

problems 1 procedures 2 process 1 product 3 properties 2 proton 1 provide 1 provides 1 psudo 1 publication 4 pure 1 random 1 ranking 1 realize 2 reference 3 referring 1 relates 1 reliability 1 remaining 1 removed 2 repeating 1 representing 3 required 2 requires 2 resistance 1 resistor 2 response 1 responses 1 result 10 rm 1 rmed 1 roa 1 roughly 1 rs 1 said 2 sampling 1 satisfy 1 schematic 2 secondary 3 sect 2 section 20 self 1 september 1 serial 1 serially 4 series 2 shift 1 shipment 5

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shipped 1
shorten 2
shou 1
should 1
showing 7
shown 2
signal 2
signall 1
simulated 1
small 1
snmpling 1
so 3
sometimes 1
source 8
speci 1
specifically 2
specification 2
specifications 1
state 44
static 1
step 11
steps 6
still 4
stmcture 2
stnzcture 1
structure 1
subordinate 1
subtract 1
such 3
suitably 2
sum 1
summary 1
supplied 10
supply 1
switch 1
system 13
take 1
taken 1
takes 3
temperature 1
terminal 5
test 6
testing 3
th 1
than 1
that 11
the 200
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then 1

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```
theory 1
there 4
therefore 6
thereto 3
these 3
this 12
three 1
time 4
times 1
tlae 1
to 68
tokukaihei 5
tokukc 1
transfer 6
transient 1
trouble 1
uel 1
under 1
understanding 1
unexnmined 2
unknown' 1
us 1
use 2
used 6
using 5
value 3
vanderhye 1
vav 1
vdt 1
veu 1
view 1
virginia 1
voltage 32
vt 1
wave 8
way 1
when 10
where 1
whereby 1
which 6
while 3
will 1
with 13
without 2
xthod 1
yet 1
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yoshitsugu 1